

Application Number: 10/613,415
Examiner: Ho, Tan
Art Unit: 2821

Applicant: Chung-Jou Tsai

IN THE CLAIMS

Please amend the claims as follows.

Claim 1 (canceled).

2. (currently amended) A built-in antenna configuration comprising a signal end and a ground end; and improvement comprising ~~The built-in antenna configuration as claim claimed in claim 1, wherein:~~

a metal frame or a metal shell of an electronic communication device being used as the ground end;

the ground end connecting fixedly the signal end respectively connected to the negative and the positive electrodes of a coaxial feeder to form a built-in antenna configuration; and

the ground end being substantially parallel to the signal end, wherein:

the signal end is of a strip plate;

an end of the signal end is bended and folded to an angle, about 90o, to form a fixing end;

the signal end connects a conductor provided on the end thereof with a positive electrode feed-in point;

the ground end is a conductive metal frame originally mounted in an electronic communication device;

in assembling, both sides at the bottom of the fixing end of the signal end fixedly connect a metal fixing foot for being fixed on the ground end;

the bottom of the fixing end is connected with a conducting plate provided on the end thereof with a negative electrode feed-in point;

the conducting plate is substantially parallel to the signal end, and the ground

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end is also substantially parallel to the signal end; and

the positive and negative electrode feed-in points thereof are respectively connected to a coaxial feeder.

3. (currently amended) A built-in antenna configuration comprising a signal end and a ground end; and improvement comprising ~~The built in antenna configuration as claim claimed in claim 1, wherein:~~

a metal frame or a metal shell of an electronic communication device being used as the ground end;

the ground end connecting fixedly the signal end respectively connected to the negative and the positive electrodes of a coaxial feeder to form a built-in antenna configuration; and

the ground end being substantially parallel to the signal end, wherein:

the signal end is of a strip plate;

an end of the signal end is bended and folded to an angle, about 90°, to form a fixing end;

the signal end connects to a conductor provided on the end thereof with a positive electrode feed-in point;

the ground end is a conductive metal frame originally mounted in an electronic communication device;

in assembling, the fixing end of the signal end is fixedly connected to a side of the side of the ground end;

the side of the fixing end connects a conducting plate connected in parallel with the ground end;

the conducting plate is provided with a negative electrode feed-in point;

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the conducting plate is substantially parallel to the signal end; and
the positive and negative electrode feed-in points thereof are respectively connected to a coaxial feed.

4. (currently amended) A built-in antenna configuration comprising a signal end and a ground end; and improvement comprising ~~The built-in antenna configuration as claim claimed in claim 1, wherein:~~

a metal frame or a metal shell of an electronic communication device being used as the ground end;

the ground end connecting fixedly the signal end respectively connected to the negative and the positive electrodes of a coaxial feeder to form a built-in antenna configuration; and

the ground end being substantially parallel to the signal end, wherein:

the signal end is of a L-shape plate;

the tail end of the L-shape signal end is a fixing end;

the signal end connects a conductor provided on the end thereof with a positive electrode feed-in point;

the ground end is a metal frame supporting the LCD screen;

in assembling, the fixing end of the L-shape signal end is fixed to the ground end;

a side of the fixing end is provided with a conducting plate connected in parallel with a side of the ground end;

the conducting plate is provided with a negative electrode feed-in point;

the conducting plate is substantially parallel to the signal end, and the ground end is also substantially parallel to the signal end; and

the positive and negative electrode feed-in points are respectively connected to a

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coaxial feeder.

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